

## County Surveyor's Record, Douglas County, Oregon

T. 23 S., R. 7 W.

## CHAINS

The history of surveys in that portion of township 23 south, range 7 west, Willamette Meridian, Oregon, covered by this resurvey is as follows:

The west four miles of the south boundary and the west four tiers of sections of the township were surveyed by Thomas H. Hutchinson in 1858. The east two miles of the south boundary and the east two tiers of sections were surveyed by William H. Byars in 1881, at which time he retraced and partially resurveyed the second meridional line.

The corner of sections 35 and 36 was remonumented by Orville N. Eggen in 1957.

Closing corners on the north boundary of T. 24 S., R. 7 W., were established by Dennis Hathorn in 1858, except that for sections 1 and 2. The latter closing corner was established by Joseph S. Gawron in 1958, at which time he retraced the east half mile of the south boundary of section 35.

The resurvey was made at the request of the Roseburg District Manager for administrative purposes of the Bureau of Land Mgmt.

Preliminary to the resurvey the lines of the original survey are retraced and search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are reestablished and remonumented at proportionate positions based on the original record. The retracement data are thoroughly verified and only the true line field notes are given herein. Only the lines bounding or crossing public lands are blazed.

The survey was executed with a solar compass made by W. and L. E. Gurley Company, serial number 11953, constructed in accordance with the standard specifications of the Bureau of Land Mgmt. The adjustment prior to beginning the survey. The instrument was also tested and checked frequently during the course of the survey. Measurements were made on the slope with a Lallie Steel tape, five chains (330 feet) in length, graduated every link for the first 100 links, with the balance at ten link intervals. The vertical angle of each measurement made was ascertained by use of two clinometers in good adjustment. A plumb bob was used at each end of the tape. Only the horizontal equivalents of the measurements made are entered in the field note record. The tape was tested by comparison with a standard steel tape, one chain in length, and found to be correct. Lines not forming closures were chained twice to verify distances.

The directions of lines were determined by the solar compass method.

The geographic position of the southeast corner of section 35, as scaled from the Drain Quadrangle Map, prepared by the United States Geological Survey in 1954, is as follows:

Latitude 43° 31.2' N.

Longitude 123° 29.0' W.

The mean magnetic declination is 19° 47' E.

Dependent Resurvey of a Portion of the S. Boundary,  
T. 23 S., R. 7 W., Willamette Meridian, Oregon  
(Restoring the 1881 Survey by William H. Byars)

The cor. of secs. 35 and 36 only, on the S. bdy. of the Tp., monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. and witnessed as described in the official record.